

**NUCLEAR MATERIALS FOCUS AREA**  
**Short-form Technical Task Plan**  
**Office of Science and Technology**

TTP Title:

Focus Area/Product Line: NMFA

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TTP No.: 00-0000-00

Subtask No.:

Revision: 0

Contractor: LANL

Date: 00/00/00

HQ Office:

Fiscal Year: 2001

HQ Focus Area Team Lead:

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Jeffrey Walker	301.903.8621
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Partner Focus Area Team Lead:

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Gary D. Roberson	505.845.5805
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HQ Financial Officer:

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Vicki Barden, EM-53	301.903.8129
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Technical Program Officer:

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Pamela Saxman, DOE-AL	505.845.6101
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Principal Investigator:

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Joint Participants:

Primary Technology Area:

(will be provided by the Program Office)

Secondary Technology Area(s):

(will be provided by the Program Office)

Primary Focus Area:

NMFA

B&R Code:

EW4010

*Proposal content should be of high technical quality and also describe work and costs for the lifetime of the proposed project. Address all points as directly and completely as possible. The appropriate level of detail is a function of the type and status of the technical work.*

## **Task/Subtask Summary:**

### **Purpose:**

*In a few sentences concisely describe the purpose and scope of this work.*

### **Task A:**

### **Key Problem Area**

#### **Overview**

*The problem definition should include the need from the Focus Area and details on related site-specific problems, if available. Details can include contaminants, media, extent of problem inside and outside of DOE, operational or other constraints, performance requirements, and any unknowns. Clearly defend appropriateness for EM funding*

### **Links to Users**

*Refer to Jerry Boak's email of Wed, 14 Jun 2000 Subject: Link for EM-50 Needs Management System.*

### **Prior Years Progress**

*Identify key prior work by performer and others, cite key references, describe relationships and interfaces with other ongoing work, describe how this work differs from other work, list past sponsors and dollars spent to date.*

### **Technical Issues/Scope**

***This is the key section of the TTP.** Describe, in detail, the proposed technology and how it will work to solve the problem defined above. Technical detail which justifies belief in the potential success of the proposed approach or technology is expected. Technical drawings and photos may be submitted as an appendix. Drawings and photos should not substitute for quality narrative description; they should augment it.*

*A non-technology proposal should describe the proposed solution and how it will solve the problem defined above. Non-technology proposals should name this section **Solution Description**.*

### **Background**

### **Task A FY 2001 Technical Scope**

*Describe the functional objectives or performance indicators of the solution or proposed technical work, the basic approach to meeting those objectives, and how accomplishment of them will be measured.*

### **Outyear Activities**

FY 2002 Scope

FY 2003 Scope

FY 2004 Scope

### **Maturity Level/Gate Status**

*A technology can be considered mature if it is within one year of full-scale demonstration.*

### **Impact**

*Describe the solutions flexibility or range of applicability. This is, can this solution be applied to only a narrow problem type (e.g., an aqueous organic stream) or is it broadly applicable to other problem types (e.g., sludges, solids, etc.) in addition to the one targeted in this TTP? If possible estimate the number and extent of opportunities to use this solution within DOE and beyond.*

### **Benefit**

*Discuss the merits and benefits to the proposed technology or solution. For technology tasks, this section should address benefits relative to current or competing technologies that perform the same function. For support tasks, such as technology integration, this should describe the expected benefits.*

### **Task A Budget Expense Schedule:**

*(Ask your budget analyst to prepare a UBET sheet and fax it to Amy Curtis in the program office (5-8118)).*

<b>Cost Element</b>	<b>Prior Years (\$K)</b>	<b>FY 2001 (\$K)</b>	<b>FY 2002 (\$K)</b>	<b>FY 2003 (\$K)</b>
Labor	\$0.0	\$0.0	\$0.0	\$0.0
Travel	\$0.0	\$0.0	\$0.0	\$0.0
Subcontracts	\$0.0	\$0.0	\$0.0	\$0.0
Supplies/ Materials	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	\$0.0	\$0.0	\$0.0	\$0.0

**Basis of Estimate:**

## **Task B:**

### **Key Problem Area**

#### **Overview**

*The problem definition should include the need from the Focus Area and details on related site-specific problems, if available. Details can include contaminants, media, extent of problem inside and outside of DOE, operational or other constraints, performance requirements, and any unknowns. Clearly defend appropriateness for EM funding*

### **Links to Users**

*Refer to Jerry Boak's email of Wed, 14 Jun 2000 Subject: Link for EM-50 Needs Management System.*

### **Prior Years Progress**

*Identify key prior work by performer and others, cite key references, describe relationships and interfaces with other ongoing work, describe how this work differs from other work, list past sponsors and dollars spent to date.*

### **Technical Issues/Scope**

***This is the key section of the TTP.** Describe, in detail, the proposed technology and how it will work to solve the problem defined above. Technical detail which justifies belief in the potential success of the proposed approach or technology is expected. Technical drawings and photos may be submitted as an appendix. Drawings and photos should not substitute for quality narrative description; they should augment it.*

*A non-technology proposal should describe the proposed solution and how it will solve the problem defined above. Non-technology proposals should name this section **Solution Description**.*

### **Background**

### **Task B FY 2001 Technical Scope**

*Describe the functional objectives or performance indicators of the solution or proposed technical work, the basic approach to meeting those objectives, and how accomplishment of them will be measured.*

### **Outyear Activities**

FY 2002 Scope

FY 2003 Scope

FY 2004 Scope

### **Maturity Level/Gate Status**

*A technology can be considered mature if it is within one year of full-scale demonstration.*

### **Impact**

*Describe the solutions flexibility or range of applicability. This is, can this solution be applied to only a narrow problem type (e.g., an aqueous organic stream) or is it broadly applicable to other problem types (e.g., sludges, solids, etc.) in addition to the one targeted in this TTP? If possible estimate the number and extent of opportunities to use this solution within DOE and beyond.*

### **Benefit**

*Discuss the merits and benefits to the proposed technology or solution. For technology tasks, this section should address benefits relative to current or competing technologies that perform the same function. For support tasks, such as technology integration, this should describe the expected benefits.*

**Task B Budget Expense Schedule:**

*(Ask your budget analyst to prepare a UBET sheet and fax it to Amy Curtis in the program office (5-8118)).*

<b>Cost Element</b>	<b>Prior Years (\$K)</b>	<b>FY 2001 (\$K)</b>	<b>FY 2002 (\$K)</b>	<b>FY 2003 (\$K)</b>
Labor	\$0.0	\$0.0	\$0.0	\$0.0
Travel	\$0.0	\$0.0	\$0.0	\$0.0
Subcontracts	\$0.0	\$0.0	\$0.0	\$0.0
Supplies/ Materials	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	\$0.0	\$0.0	\$0.0	\$0.0

Basis of Estimate:

## **Task C:**

### **Key Problem Area**

#### **Overview**

*The problem definition should include the need from the Focus Area and details on related site-specific problems, if available. Details can include contaminants, media, extent of problem inside and outside of DOE, operational or other constraints, performance requirements, and any unknowns. Clearly defend appropriateness for EM funding*

### **Links to Users**

*Refer to Jerry Boak's email of Wed, 14 Jun 2000 Subject: Link for EM-50 Needs Management System.*

### **Prior Years Progress**

*Identify key prior work by performer and others, cite key references, describe relationships and interfaces with other ongoing work, describe how this work differs from other work, list past sponsors and dollars spent to date.*

### **Technical Issues/Scope**

***This is the key section of the TTP.** Describe, in detail, the proposed technology and how it will work to solve the problem defined above. Technical detail which justifies belief in the potential success of the proposed approach or technology is expected. Technical drawings and photos may be submitted as an appendix. Drawings and photos should not substitute for quality narrative description; they should augment it.*

*A non-technology proposal should describe the proposed solution and how it will solve the problem defined above. Non-technology proposals should name this section **Solution Description**.*

### **Background**

### **Task C FY 2001 Technical Scope**

*Describe the functional objectives or performance indicators of the solution or proposed technical work, the basic approach to meeting those objectives, and how accomplishment of them will be measured.*

### **Outyear Activities**

FY 2002 Scope

FY 2003 Scope

FY 2004 Scope

### **Maturity Level/Gate Status**

*A technology can be considered mature if it is within one year of full-scale demonstration.*

### **Impact**

*Describe the solutions flexibility or range of applicability. This is, can this solution be applied to only a narrow problem type (e.g., an aqueous organic stream) or is it broadly applicable to other problem types (e.g., sludges, solids, etc.) in addition to the one targeted in this TTP? If possible estimate the number and extent of opportunities to use this solution within DOE and beyond.*

### **Benefit**

*Discuss the merits and benefits to the proposed technology or solution. For technology tasks, this section should address benefits relative to current or competing technologies that perform the same function. For support tasks, such as technology integration, this should describe the expected benefits.*

**Task C Budget Expense Schedule:**

*(Ask your budget analyst to prepare a UBET sheet and fax it to Amy Curtis in the program office (5-8118)).*

<b>Cost Element</b>	<b>Prior Years (\$K)</b>	<b>FY 2001 (\$K)</b>	<b>FY 2002 (\$K)</b>	<b>FY 2003 (\$K)</b>
Labor	\$0.0	\$0.0	\$0.0	\$0.0
Travel	\$0.0	\$0.0	\$0.0	\$0.0
Subcontracts	\$0.0	\$0.0	\$0.0	\$0.0
Supplies/ Materials	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	\$0.0	\$0.0	\$0.0	\$0.0

Basis of Estimate:

**Additional Costs**

Gate Reviews: \$

Peer Reviews: \$

Program Reviews: \$

**Life-Cycle Cost Estimate (\$K)**

	TOTAL ACT TO DATE	2001 R	2002 R	2003 R	2004 R	ALL SUBS	TOTAL YEARS
Operating	0	0	0	0	0	0	0
Capital	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0

FTE's

**Milestone Summary**

*Identify all project milestones. Milestones should be identified as a significant EVENT in the project: 1) a point in time, of a key item/event, that if missed will have a definite impact on the program; 2) allows the (HQ) Program Manager and/or Waste Type Manager to clearly track the progress of his/her program. Milestones should be for planned achievements toward task objectives rather than periodic reports. The best milestones mark an event -- not an activity.*

Number:	Milestone Title:	Due Date	Level	Description:
Task A-1			OO	
Task A-2			OO	
Task A-3			OO	
Task B-1			OO	
Task B-2			OO	
Task B-3			OO	
Task C-1			OO	
Task C-2			OO	
Task C-3			OO	

**FY'00 PROJECTED SPEND PLAN**

*Spread the funding throughout the fiscal year, including any carryover funds from prior years. What is needed is a breakdown, by month, of what you anticipate project expenditures will be.*

	EM-50 Funding	EM-40 / Joint Funding	Total
October			
November			
December			
January			



February			
March			
April			
May			
June			
July			
August			
September			
FY-CO			
TOTAL			

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